

Converting Colors

$Y_{xy}(20.7186, 0.1400, 0.1695)$

Have a look what the booklet for
Yxy(20.7186, 0.1400, 0.1695)
contains.

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Color

Yxy(24.6972, 0.1843, 0.1834)

Conversions

Conversions Part 1

Format	Color
Hex	008BEF
RGB	0, 139, 239
RGB Percent	0%, 55%, 94%
CMY	0.9990, 0.4549, 0.0626
CMYK	1.00, 0.42, 0.00, 0.06
HSL	205°, 100%, 47%
HSV	205°, 100%, 94%
XYZ	24.8184, 24.6972, 85.1474
YIQ	108.8390, -114.9440, 1.6320

Conversions

Conversions Part 2

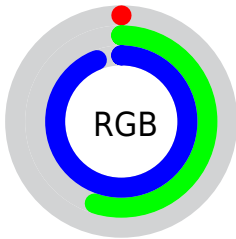
Format	Color
RYB	0, 88, 239
Decimal	35823
CIELab	56.78, 5.88, -58.78
CIELCh	57, 59.073, 275.711
Yxy	24.6972, 0.1843, 0.1834
Android (android.graphics.Color)	4278225903 (0xFF008BEF)
YUV	108.8390, 64.1694, -95.4518
Hunter-Lab	49.6963, 2.1747, -66.7975

Details

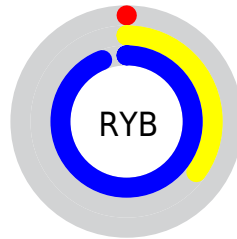
The Yxy color **24.6972, 0.1843, 0.1834** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **27.5279, 0.5667, 0.3881**, and the grayscale version is **15.1058, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1074, 0.2234, 0.2495**, and **10.6897, 0.1767, 0.1561** is the 20% darker color. If you saturate the color by 10%, you get **24.6666, 0.1842, 0.1832**, and if you desaturate by 10%, it is **27.9265, 0.1904, 0.1990**.

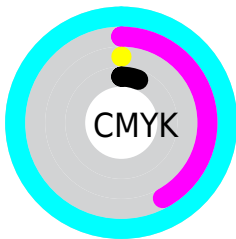
Distribution



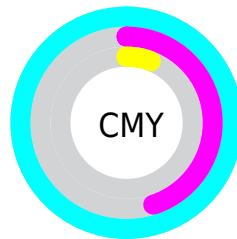
- Red (0%)
- Green (55%)
- Blue (94%)



- Red (0%)
- Yellow (35%)
- Blue (94%)



- Cyan (100%)
- Magenta (42%)
- Yellow (0%)
- Black (6%)




- Cyan (100%)
- Magenta (45%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.6972, 0.1843, 0.1834 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 24.6972, 0.1843, 0.1834 by changing the saturation by 10% instead.

 24.6972, 0.1843,
0.1834


 24.6972, 0.1843,
0.1834


276.3266, 0.2498,
0.2564


 15.8516, 0.1686,
0.1663


 51.1656, 0.2079,
0.2093

 9.4192, 0.1491,
0.1453

 69.5571, 0.2168,
0.2193

 5.0156, 0.1249,
0.1196

 91.8995, 0.2244,
0.2278

 2.2564, 0.0949,
0.0883

 118.5770, 0.2310,
0.2351

 0.7505, 0.0593,
0.0520

 149.9740, 0.2367,
0.2415

 0.0000, 0.0000,
0.0000

186.4751, 0.2416,

0.2470

228.4645, 0.2460,
0.2520

■ 24.6972, 0.1843,
0.1834

■ 24.6972, 0.1843,
0.1834

■ 24.6666, 0.1842,
0.1832

■ 27.9265, 0.1904,
0.1990

■ 31.6667, 0.1985,
0.2152

■ 35.9988, 0.2088,
0.2317

■ 40.9732, 0.2211,
0.2481

■ 46.6331, 0.2350,
0.2640

■ 53.0167, 0.2500,
0.2792

■ 60.1589, 0.2656,
0.2934

■ 68.0919, 0.2815,
0.3065

■ 76.8455, 0.2974,
0.3184

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



24.6972, 0.1516, 0.2031



24.6972, 0.1843, 0.1834



24.6972, 0.2511, 0.1932

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



24.6972, 0.1843, 0.1834



24.6972, 0.5072, 0.3482



24.6972, 0.2559, 0.4737

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



24.6972, 0.1843, 0.1834



27.5279, 0.5667, 0.3881

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



24.6972, 0.3478, 0.5190



24.6972, 0.1843, 0.1834



24.6972, 0.4971, 0.4181

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



24.6972, 0.1843, 0.1834



24.6972, 0.4502, 0.2830



24.6972, 0.4356, 0.4851



24.6972, 0.1849, 0.3624

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



24.6972, 0.1843, 0.1834



24.6972, 0.3139, 0.2140



24.6972, 0.4356, 0.4851



24.6972, 0.2855, 0.4989

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



24.6979, 0.1843, 0.1834



69.4922, 0.2653, 0.2931



62.6706, 0.2807, 0.5303



14.1033, 0.2586, 0.2872



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.6979, 0.1843, 0.1834



28.4508, 0.1841, 0.1827



6.7411, 0.1512, 0.0644



16.7545, 0.2980, 0.3189



13.8921, 0.1849, 0.1857



1.3519, 0.1907, 0.2064

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



20.2261, 0.4645, 0.2333



23.4033, 0.4653, 0.2337



69.0918, 0.4349, 0.4928



15.9129, 0.3202, 0.3154



11.1958, 0.4618, 0.2317



0.9512, 0.4381, 0.2187

Previews

White Background



This preview shows how the Yxy color 24.6972, 0.1843, 0.1834 looks on a white background.

Color Contrast Check

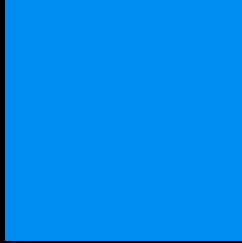
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 24.6972, 0.1843, 0.1834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

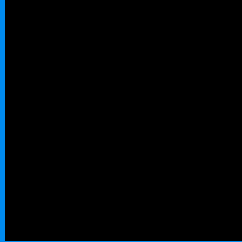
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

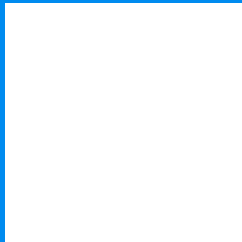
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.6972, 0.1843, 0.1834

Background



This preview shows how black text looks on a background with the Yxy color 24.6972, 0.1843, 0.1834.



This preview shows how white text looks on a background with the Yxy color 24.6972, 0.1843, 0.1834.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

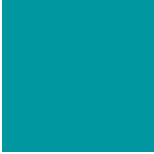
24.6972, 0.1843, 0.1834

Protanopia

24.6040, 0.2071, 0.1871

Deuteranopia

24.6156, 0.1885, 0.1821



Tritanopia

24.7064, 0.2194, 0.3097

Trichromacy



Original Color

24.6972, 0.1843, 0.1834

Protanomaly

24.2559, 0.1934, 0.1842

Deuteranomaly

24.6420, 0.1863, 0.1827

Tritanomaly

24.5416, 0.2043, 0.2556

Monochromacy



Original Color

24.6972, 0.1843, 0.1834

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

17.0985, 0.2291, 0.2582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6972, 0.1843, 0.1834 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 139, 239)` looks like.

```
.text, #text, p{  
    color:rgb(0, 139, 239)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 139, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 139, 239) }
```

Border

The CSS property to change the border of an element to Yxy 24.6972, 0.1843, 0.1834 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 139, 239) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 139, 239) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 139, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 139, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 139, 239);  
box-shadow:4px 4px 4px 4px rgb(0, 139,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6972, 0.1843, 0.1834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 139, 239) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 139,  
239) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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